

FIG. 1

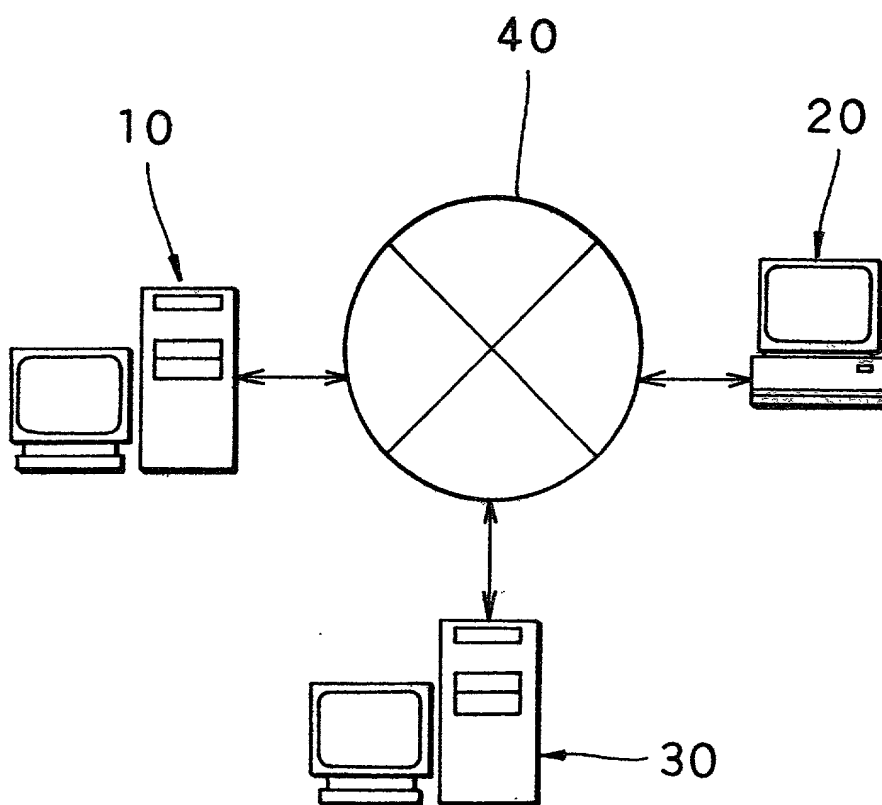




FIG. 3

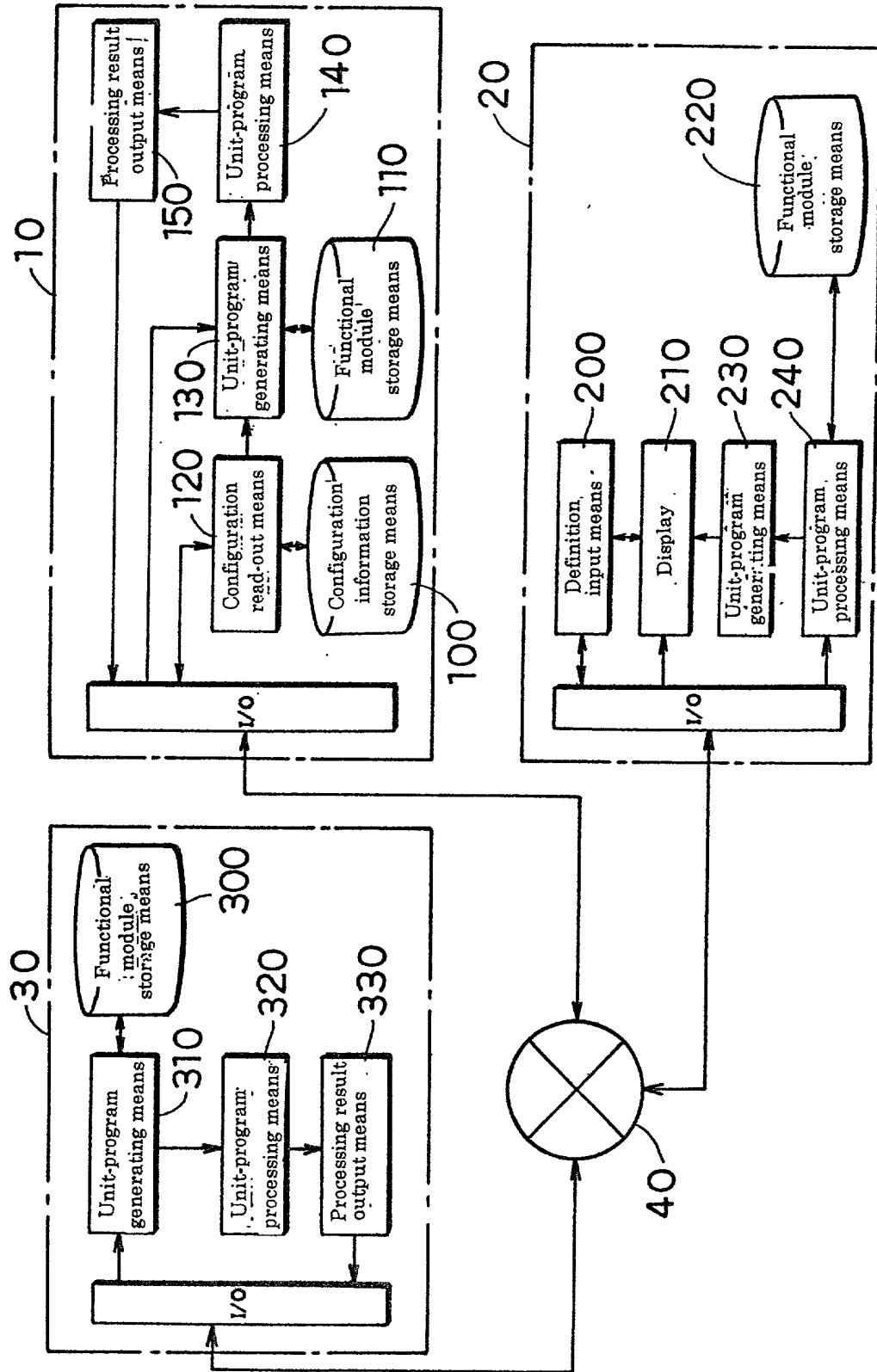


FIG. 4

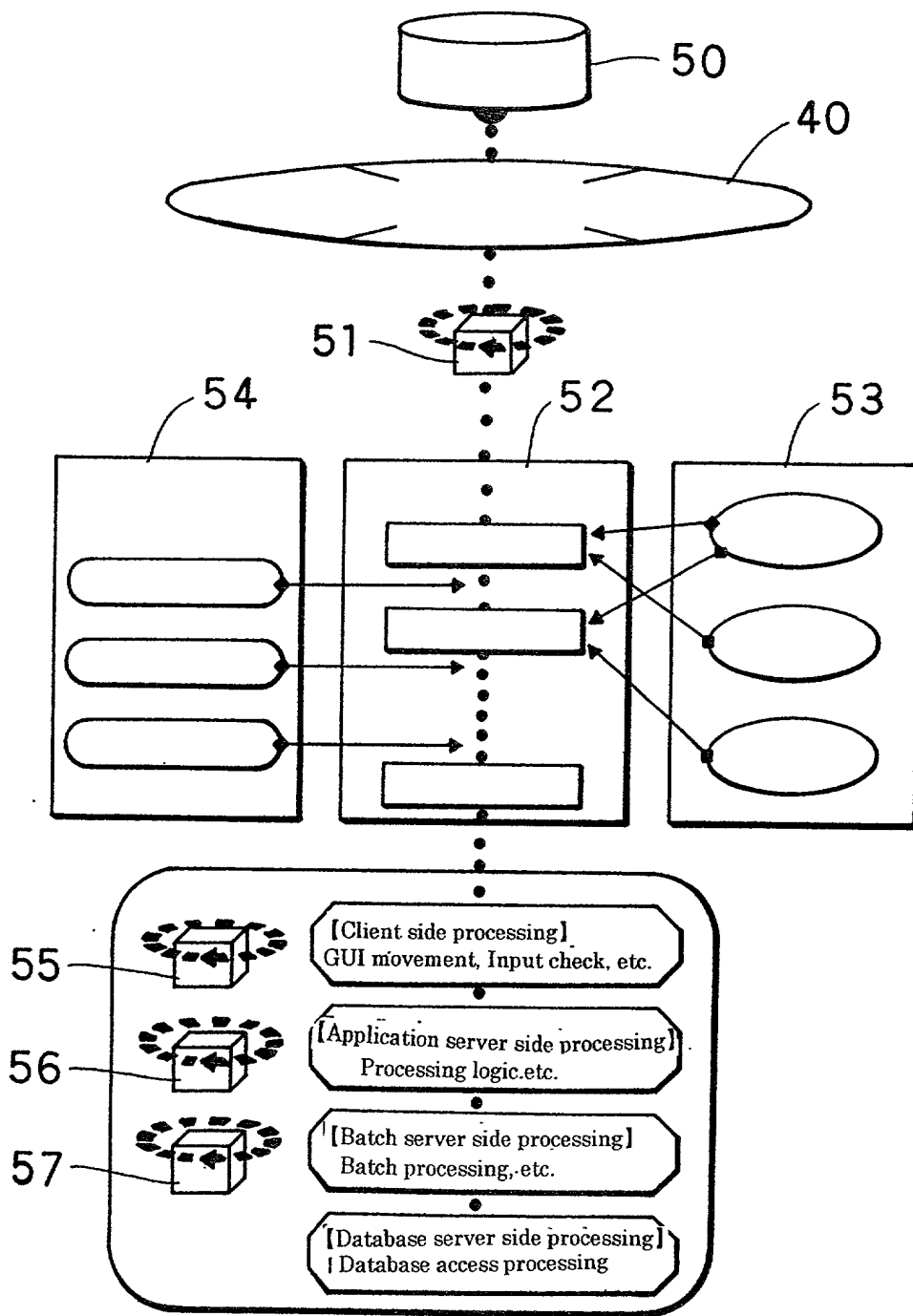


FIG. 5

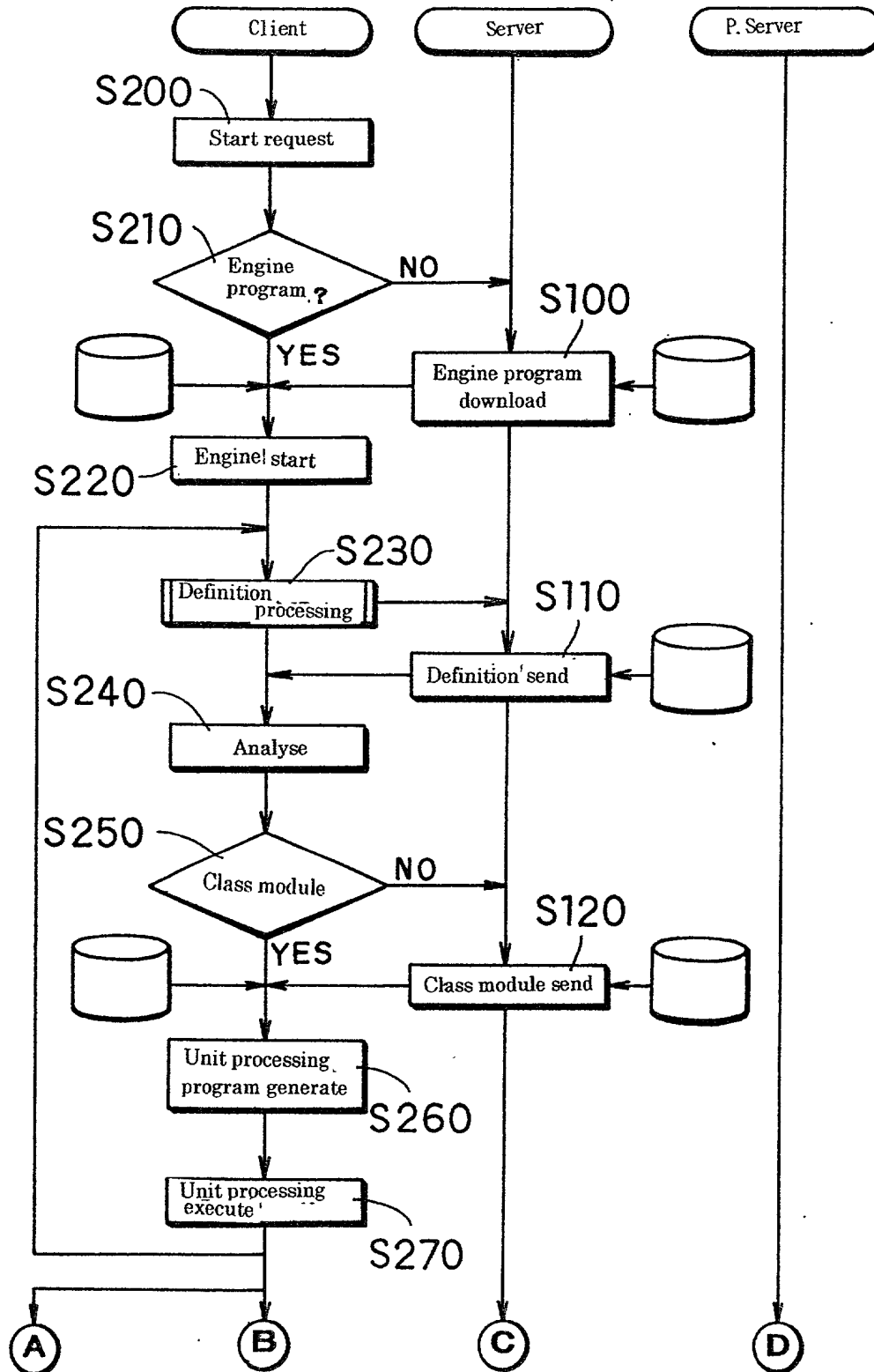
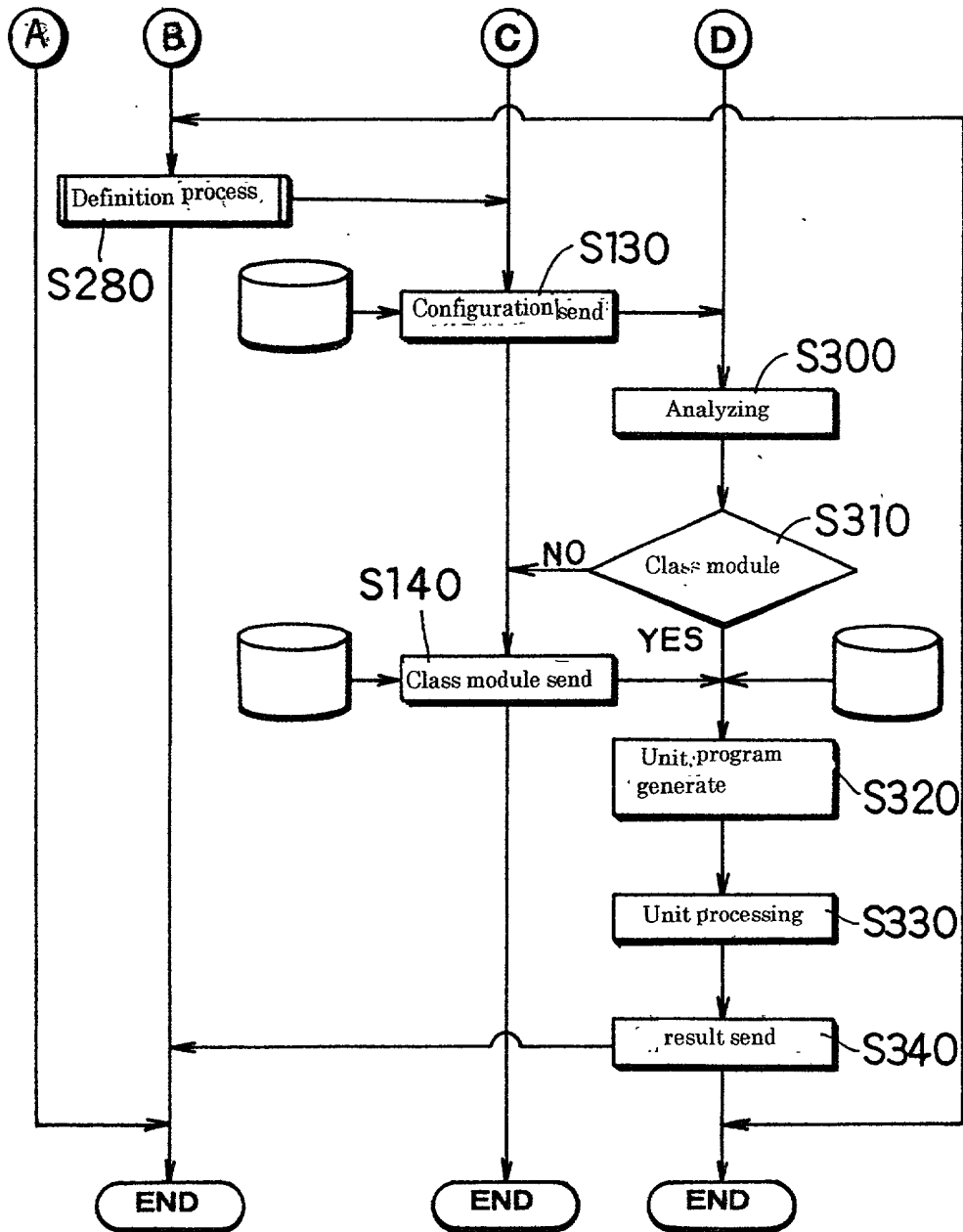


FIG. 6





**Abstract**

FIG. 8

FILE SELECT INDICATE CATEGORY	
<div> <input type="checkbox"/> Sub system  <input type="checkbox"/> Input  <input checked="" type="checkbox"/> Sales input  <input type="checkbox"/> Stock input  <input type="checkbox"/> Shipping input  <input type="checkbox"/> Transfer input  <input type="checkbox"/> Output  <input type="checkbox"/> Sales slip output  <input type="checkbox"/> Purchase slip output  <input type="checkbox"/> Reference  <input type="checkbox"/> Stock reference  <input type="checkbox"/> Credit reference  <input type="checkbox"/> Common  <input type="checkbox"/> Product select  <input type="checkbox"/> Agent select </div>	<div> <input type="checkbox"/> Sub system / Input / Sales input </div> <div> <input type="checkbox"/> Sales input </div> <div> <input type="checkbox"/> Sales slip input  <input type="checkbox"/> Sales slip update  <input type="checkbox"/> Sales slip delete </div> <div> <input type="checkbox"/> Physical name  <input type="checkbox"/> C_URIAGE_INS..  <input type="checkbox"/> C_URIAGE_UP..  <input type="checkbox"/> C_URIAGE_DE.. </div> <div> <input type="checkbox"/> Comment </div> <div> <input type="checkbox"/> Input record  <input type="checkbox"/> Sales slip inStoC  <input type="checkbox"/> Sales slip upStoC  <input type="checkbox"/> Sales slip delStoC </div> <div> <input type="checkbox"/> Output record  <input type="checkbox"/> Sales slip inStoC  <input type="checkbox"/> Sales slip upStoC  <input type="checkbox"/> Sales slip delStoC </div>





USER	DATA	RECORD	TABLE	DLCP
1	2	3	4	5





FIG. 13

FILE SELECT		INDICATE CATEGORY	
<div> <div>Application</div> <div> <div>Master maintenance</div> <div>Master list output!</div> <div>Data select</div> <div>Data list</div> </div> <div> <div>Estimation system</div> <div>Ordering system</div> <div>Ordering system</div> <div>Sales manage system</div> <div>Sales system</div> <div>Billing system</div> <div>Purchase system</div> <div>Collection system</div> <div>Payment system</div> <div>Accounting system</div> </div> </div>			
<div> <div>Application / Master maintenance / Master list / Data select</div> <div> <div>Batch job Physical name</div> <div>Physical name</div> <div>Logical name</div> <div>Comment</div> </div> <div> <div>BAT_SelTorihiki_Sub</div> <div>STEPSELTORI</div> <div>Data select</div> </div> </div>			
<div>Input file</div> <div> <div>Internal file</div> <div>ToriSelInput</div> </div>		<div>Output file</div> <div> <div>Internal file</div> <div>ToriList</div> </div>	
<div>Physical name</div> <div>Logical name</div> <div>Comment</div>		<div>Physical name</div> <div>Logical name</div> <div>Comment</div>	
<div>Physical name</div> <div>Logical name</div> <div>Comment</div>		<div>Physical name</div> <div>Logical name</div> <div>Comment</div>	





FIG. 16

FILE

SELECT INDICATE CATEGORY

Application

Master maintenance

Master list

Estimation system

Order system

Ordering system

Sales manaze system

Sales system

Billing system

Purchase system

Collection system

Payment system

Accounting system

Batch...

system

Program Job

Application / Master maintenance / Master list

BatchSub

DLCp

Business...

Data

Data list

Instance	Dealng	Item type	Images...	INPUT	Dealng	Physical	Logical	Comment
TORHI...	Dealng	TEXT	Images...	INPUT	Dealng	TORHI...	Dealng	
TORHI...	Dealng	TEXT	Images...	OUTPUT	Dealng	TORHI...	Dealng	
TORHI...	Dealng	TEXT	Images...	INPUT	Dealng	TORHI...	Dealng	
TORHI...	Dealng	TEXT	Images...	OUTPUT	Dealng	TORHI...	Dealng	
TORHI...	Dealng	TEXT	Images...	OUTPUT	Dealng	TORHI...	Dealng	
MAIL_NO	Zip code	TEXT	Images...	OUTPUT	Dealng	MAIL_NO	MAIL_NO	
ADDRE...	Address	TEXT	Images...	OUTPUT	ADDRE...	ADDRE...	ADDRE...	
TEL_NO	Phone	TEXT	Images...	OUTPUT	Dealng	TEL_NO	TEL_NO	

Location

Physical name	Logical name
Imagesdot_perple.gif	DLCp_TORIDETAIL
	Qust Information



FIG. 17

FILE		SELECT		INDICATE		CATEGORY	
Master list							
Input file							
Cust. Select file							
Before							
After							
Output file							
File for Cust. List							
Before							
After							
Break key 1 processing							
Cust. Type definition							
Before							
After							
Initial processing							
Break key 1 pre-processing							
Output page counting							
Before							
After							
Detail processing							
Cust. Information output							
Before							
After							
Cust. Information output							
Before							
After							
Break key 1 post-processing							
Cust. type counting output							
Before							
After							
End processing							
Batch sys. Program Job							

Master list / Detail processing / Cust. information output / Before / Information output condition	
Basic class	BUSINESSRULE_SELECTCONDITION
Physical name	BUSINESSRULE_TORISELECTCONDITION
Logical name	
Parameter	
Comment	

Input data		Output data	
Instance	Item type	Instance	Item type
TORI...	Physical	TORI...	Physical
	Logical		Logical
	TEXT		TEXT

FIG. 18

Data Manager (Client side)/Definition Document

Data Manager (Client side)		Order Entry		Engineer		Date					
Data Manager Name		JyutyuuDataMng		Maintenance		Update					
DataName	LabelName	ItemType	Data Type	Omit	Default	Length	Scale	Enum	Max	Min	Comment
DENPYOU CLASS	DENPYOU CLASS	TEXT	CDE	NO		2					Srip class
DENPYOU DENKUBUN	DENPYOU DENKUBUN	TEXT	CDE	NO		7					Srip Division
DENPYOU HID	DENPYOU HID	TEXT	CDE	NO		7					Srip HID
DENPYOU DATE	DENPYOU DATE	TEXT	DT8	NO		10					Srip Date
DENPYOU NO	DENPYOU NO	TEXT	NBR	NO		7					Srip Number
DENPYOU JYUTYUU HID	DENPYOU JYUTYUU HID	TEXT	CDE	NO		7					Order HID
DENPYOU JYUTYUU DATE	DENPYOU JYUTYUU DATE	TEXT	DT8	NO		10					Order Date
DENPYOU JYUTYUU NO	DENPYOU JYUTYUU NO	TEXT	NBR	NO		7					Order Number
DENPYOU TKHON HID	DENPYOU TKHON HID	TEXT	CDE	NO		7					Customer ID
DENPYOU TKHON FAXNO	DENPYOU TKHON FAXNO	TEXT	CDE	NO		7					Customer ID-2
DENPYOU TKHON POSTNO	DENPYOU TKHON POSTNO	TEXT	IGC	NO		80					Customer name
DENPYOU TKHON JYUUSYO1	DENPYOU TKHON JYUUSYO1	TEXT	IGC	NO		80					Customer person in charge
DENPYOU TKHON JYUUSYO2	DENPYOU TKHON JYUUSYO2	TEXT	IGC	NO		15					Customer PHONE-NO
DENPYOU HATYUUNO	DENPYOU HATYUUNO	TEXT	TX	NO		20					Customer FAX-NO
DENPYOU TYUUMONSYA	DENPYOU TYUUMONSYA	TEXT	IGC	NO		20					Customer zip code
DENPYOU MID	DENPYOU MID	COLTEXT	CDE	OK		7					Customer Address1
DENPYOU HIN HID	DENPYOU HIN HID	COLTEXT	CDE	NO		7					Customer Address2
DENPYOU HIN MID	DENPYOU HIN MID	COLTEXT	CDE	OK		7					Order NO
DENPYOU ZEIRITU	DENPYOU ZEIRITU	COLTEXT	CDE : code	OK		4	2				Order person
DENPYOU GYOU	DENPYOU GYOU	COLTEXT	TX : literal line	OK		3					Srip MID
DENPYOU HIN NAME	DENPYOU HIN NAME	COLTEXT	IGC : japanese Kanji	OK		60					Minimum alue [Example] 1
DENPYOU HIN IRO	DENPYOU HIN IRO	COLTEXT	NBR : number	OK		60					Product name
DENPYOU MID ZEIKUBUN	DENPYOU MID ZEIKUBUN	COLTEXT	QTY : quantity	OK		Length below zero	2				Product color
DENPYOU SUURYOU	DENPYOU SUURYOU	COLTEXT	DT8 : date(8)	OK		9	2				sales division
DENPYOU TANKA	DENPYOU TANKA	COLTEXT	PCT : percent	OK		11					Quantity
DENPYOU KINGAKU	DENPYOU KINGAKU	COLTEXT	DT8	OK		10					Unit price
DENPYOU NOUKI	DENPYOU NOUKI	COLTEXT	IGC	OK		60					Amount
DENPYOU BIKOU	DENPYOU BIKOU	COLTEXT	QTY	OK		9	2				Time for delivery
DENPYOU GENKA1	DENPYOU GENKA1	COLTEXT	QTY	OK		9	2				Comment
DENPYOU GENKA2	DENPYOU GENKA2	COLTEXT	QTY	OK		9	2				Cost 1
DENPYOU GENKA3	DENPYOU GENKA3	COLTEXT	QTY	OK		9	2				Cost 2
											Cost 3

Header data

Detail data

Default value of input

Omit (input check)  
OK :  
NO :

COLTEXT : complex literal lines  
TEXT : simple literal line

Length

Length below zero

Max value [Example] 100

Permit value [Example] Y,N

Strip MID

Minimum alue [Example] 1

Product name

Product color

sales division

Quantity

Unit price

Amount

Time for delivery

Comment

Cost 1

Cost 2

Cost 3

FIG. 19

## Component Manager (Client side) [Definition Document]

Component Manager [Definition Document]		Program name [Order Entry]		Engineer	Date
Component Manager [JyutyuuCompMng]				Maintenance	Update
ComponentName	LabelName	ClassName	Comment		
LBL_DENPYOU_CLASS	LBL_DENPYOU_CLASS	XM_Label	Srip class		
LBL_DENPYOU_HID	LBL_DENPYOU_HID	XM_Label	Srip H I D		
LBL_DENPYOU_DATE	LBL_DENPYOU_DATE	XM_Label	Srip Date		
LBL_DENPYOU_NO	LBL_DENPYOU_NO	XM_Label	Srip Number		
LBL_DENPYOU_JYUTYUU_HID	LBL_DENPYOU_JYUTYUU_HID	XM_Label	Order H I D		
LBL_DENPYOU_JYUTYUU_DATE	LBL_DENPYOU_JYUTYUU_DATE	XM_Label	Order Date		
LBL_DENPYOU_JYUTYUU_NO	LBL_DENPYOU_JYUTYUU_NO	XM_Label	Order Number		
LBL_DENPYOU_JYUTYUU_NO	LBL_DENPYOU_JYUTYUU_NO	XM_Label	Order Number		
LBL_DENPYOU_SKHON_HID	LBL_DENPYOU_SKHON_HID	XM_Label	Customer ID		
LBL_DENPYOU_SKHON_TELNO	LBL_DENPYOU_SKHON_TELNO	XM_Label	Customer ID-2		
LBL_DENPYOU_TKHON_TANTOU_NAME	LBL_DENPYOU_TKHON_TANTOU_NAME	XM_Label	Customer name		
LBL_DENPYOU_TKHON_TELNO	LBL_DENPYOU_TKHON_TELNO	XM_Label	Customer name		
LBL_DENPYOU_TKHON_POSTNO	LBL_DENPYOU_TKHON_POSTNO	XM_Label	Customer person in charge		
LBL_DENPYOU_TKHON_POSTNO	LBL_DENPYOU_TKHON_POSTNO	XM_Label	Customer person in charge		
LBL_DENPYOU_TKHON_JYUUSY01	LBL_DENPYOU_TKHON_JYUUSY01	XM_Label	Customer PHONE-NO		
LBL_DENPYOU_TKHON_JYUUSY01	LBL_DENPYOU_TKHON_JYUUSY01	XM_Label	Customer address/zip-code		
LBL_DENPYOU_HATYUONO	LBL_DENPYOU_HATYUONO	XM_Label	Customer zip code		
LBL_DENPYOU_HATYUONO	LBL_DENPYOU_HATYUONO	XM_Label	Customer Address1		
LBL_DENPYOU_TYUUMONSYA	LBL_DENPYOU_TYUUMONSYA	XM_Label	Customer Address2		
LBL_DENPYOU_TYUUMONSYA	LBL_DENPYOU_TYUUMONSYA	XM_Label	Order NO		
LBL_DENPYOU_TYUUMONSYA	LBL_DENPYOU_TYUUMONSYA	XM_Label	Order NO		
LBL_DENPYOU_TYUUMONSYA	LBL_DENPYOU_TYUUMONSYA	XM_Label	Order person		
LBL_DENPYOU_TYUUMONSYA	LBL_DENPYOU_TYUUMONSYA	XM_Label	Order person		
LBL_DENPYOU_MEISAI	LBL_DENPYOU_MEISAI	XM_Table	Srip detail table		
LBL_DENPYOU_TKIYOU	LBL_DENPYOU_TKIYOU	XM_Label	Application		
LBL_DENPYOU_TKIYOU	LBL_DENPYOU_TKIYOU	XM_Label	Application		
LBL_DENPYOU_SUURYUG	LBL_DENPYOU_SUURYUG	XM_Label	Quantity total		
LBL_DENPYOU_SUURYUG	LBL_DENPYOU_SUURYUG	XM_Label	Quantity total		
LBL_DENPYOU_KINGAKUG	LBL_DENPYOU_KINGAKUG	XM_Label	Amount total		
LBL_DENPYOU_KINGAKUG	LBL_DENPYOU_KINGAKUG	XM_Label	Amount total		

Header data

Detail data

Footer data

FIG. 20

## Item Manager (Client side)[Definition Document]

Item Manager (Definition Document)		Order Entry		Engineer		Date
Item Manager Name		Program name		Maintenance		Update
		JyutyuuitemMng				
ItemName	LabelName	ItemClass	DataName	ComponentName	Comment	
DENPYOU_CLASS	DENPYOU_CLASS	XM_LabelItem	DENPYOU_DENKUBUN	LBL_DENPYOU_DENKUBUN	Srip class	
DENPYOU_HID	DENPYOU_HID	XM_LabelItem	DENPYOU_HID	LBL_DENPYOU_HID	Srip H I D	
DENPYOU_DATE	DENPYOU_DATE	XM_LabelItem	DENPYOU_DATE	LBL_DENPYOU_DATE	Srip Date	
DENPYOU_NO	DENPYOU_NO	XM_LabelItem	DENPYOU_NO	LBL_DENPYOU_NO	Srip Number	
DENPYOU_JYUTYUU_HID	DENPYOU_JYUTYUU_HID	XM_LabelItem	DENPYOU_JYUTYUU_HID	LBL_DENPYOU_JYUTYUU_HID	Order H I D	
DENPYOU_JYUTYUU_DATE	DENPYOU_JYUTYUU_DATE	XM_LabelItem	DENPYOU_JYUTYUU_DATE	LBL_DENPYOU_JYUTYUU_DATE	Order Date	
DENPYOU_ID	DENPYOU_ID	XM_LabelItem	DENPYOU_ID	LBL_DENPYOU_ID	Order Number	
DENPYOU_TKXON_ID	DENPYOU_TKXON_ID	XM_LabelItem	DENPYOU_TKXON_ID	LBL_DENPYOU_TKXON_ID	Customer ID	
DENPYOU_TKXON_NAME	DENPYOU_TKXON_NAME	XM_LabelItem	DENPYOU_TKXON_NAME	LBL_DENPYOU_TKXON_NAME	Customer ID-2	
DENPYOU_TKXON_TELNO	DENPYOU_TKXON_TELNO	XM_LabelItem	DENPYOU_TKXON_TELNO	LBL_DENPYOU_TKXON_TELNO	Customer name	
DENPYOU_TKXON_POSTNO	DENPYOU_TKXON_POSTNO	XM_LabelItem	DENPYOU_TKXON_POSTNO	LBL_DENPYOU_TKXON_POSTNO	person of Customer	
DENPYOU_TKXON_JYUUSY01	DENPYOU_TKXON_JYUUSY01	XM_LabelItem	DENPYOU_TKXON_JYUUSY01	LBL_DENPYOU_TKXON_JYUUSY01	Customer	
DENPYOU_TKXON_JYUUSY02	DENPYOU_TKXON_JYUUSY02	XM_LabelItem	DENPYOU_TKXON_JYUUSY02	LBL_DENPYOU_TKXON_JYUUSY02	Address1-Customer	
DENPYOU_HATYUONO	DENPYOU_HATYUONO	XM_LabelItem	DENPYOU_HATYUONO	LBL_DENPYOU_HATYUONO	Address2-Customer	
DENPYOU_TYUUMONSYA	DENPYOU_TYUUMONSYA	XM_LabelItem	DENPYOU_TYUUMONSYA	LBL_DENPYOU_TYUUMONSYA	Order NO	
DENPYOU_MID	DENPYOU_MID	XM_LabelItem	DENPYOU_MID	LBL_DENPYOU_MID	Order person	
DENPYOU_HIN_HID	DENPYOU_HIN_HID	XM_LabelItem	DENPYOU_HIN_HID	LBL_DENPYOU_HIN_HID	Srip M I D	
DENPYOU_HIN_MID	DENPYOU_HIN_MID	XM_LabelItem	DENPYOU_HIN_MID	LBL_DENPYOU_HIN_MID	Product H I D	
DENPYOU_ZEIRITU	DENPYOU_ZEIRITU	XM_LabelItem	DENPYOU_ZEIRITU	LBL_DENPYOU_ZEIRITU	Product M I D	
DENPYOU_HIN_NAME	DENPYOU_HIN_NAME	XM_LabelItem	DENPYOU_HIN_NAME	LBL_DENPYOU_HIN_NAME	Tax-X	
DENPYOU_HIN_IRO	DENPYOU_HIN_IRO	XM_LabelItem	DENPYOU_HIN_IRO	LBL_DENPYOU_HIN_IRO	ProductName	
DENPYOU_MID_ZEIKUBUN	DENPYOU_MID_ZEIKUBUN	XM_LabelItem	DENPYOU_MID_ZEIKUBUN	LBL_DENPYOU_MID_ZEIKUBUN	ProductColor	
DENPYOU_SUURYOU	DENPYOU_SUURYOU	XM_LabelItem	DENPYOU_SUURYOU	LBL_DENPYOU_SUURYOU	sales division	
DENPYOU_TANKA	DENPYOU_TANKA	XM_LabelItem	DENPYOU_TANKA	LBL_DENPYOU_TANKA	Quantity	
DENPYOU_KINGAKU	DENPYOU_KINGAKU	XM_LabelItem	DENPYOU_KINGAKU	LBL_DENPYOU_KINGAKU	Unit Price	
DENPYOU_NOUKI	DENPYOU_NOUKI	XM_LabelItem	DENPYOU_NOUKI	LBL_DENPYOU_NOUKI	Amount	
DENPYOU_BIKOU	DENPYOU_BIKOU	XM_LabelItem	DENPYOU_BIKOU	LBL_DENPYOU_BIKOU	Time for delivery	
DENPYOU_GENKA1	DENPYOU_GENKA1	XM_LabelItem	DENPYOU_GENKA1	LBL_DENPYOU_GENKA1	Comment	
DENPYOU_GENKA2	DENPYOU_GENKA2	XM_LabelItem	DENPYOU_GENKA2	LBL_DENPYOU_GENKA2	Cost 1	
DENPYOU_GENKA3	DENPYOU_GENKA3	XM_LabelItem	DENPYOU_GENKA3	LBL_DENPYOU_GENKA3	Cost 2	
DENPYOU_GENKA3	DENPYOU_GENKA3	XM_LabelItem	DENPYOU_GENKA3	LBL_DENPYOU_GENKA3	Cost 3	

Header data

Detail data

FIG. 21

Table Manager (Client side)[Definition Document]

Item Manager (Definition Document)	Program name	Order Entry	Engineer	Date
Table Manager Name	JyutyuuTableMng		Maintenance	Update

TableComponentName	TBL_DENYOU_MEISAI
MaxRows	20
AutoResize	AUTO_RESIZE_SUBSEQUENT_COLUMNS
ColumnSelectionAllowed	false
CellSelectionEnabled	true
UpdateTableInRealTime	true

ItemName	Visible	ColWidth	HeaderRenderer	CellRenderer	CellEditor	Comment
DENYOU_MID	false					Strip detail ID
DENYOU_HIN_MID	false					Product header ID
DENYOU_HIN_MID	false					Product detail IDID
DENYOU_ZEIRITU	false					Tax-%
DENYOU_GYOU	true	25 null				Line NO
DENYOU_HIN_NAME	true	170 null		XM_LineNoCellRenderer	null	Product name
DENYOU_HIN_IRO	true	110 null		XM_LabelCellRenderer	XM_TextFieldCellEditor	Product color
DENYOU_MID_ZEIKUBUN	true	50 null		XM_LabelCellRenderer	null	sales division
DENYOU_SUURYOU	true	50 null		XM_LabelCellRenderer	XM_TextFieldCellEditor	Quantity
DENYOU_TANKA	true	60 null		XM_LabelCellRenderer	XM_TextFieldCellEditor	Unit price
DENYOU_KINGAKU	true	80 null		XM_LabelCellRenderer	XM_TextFieldCellEditor	Amount
DENYOU_NOUKI	true	80 null		XM_LabelCellRenderer	XM_TextFieldCellEditor	Time for delivery
DENYOU_BIKOU	true	170 null		XM_LabelCellRenderer	XM_TextFieldCellEditor	Comment

Component that is rendered in cell.

[Example]

XM\_LineNoCellRenderer : for rendering line number.

XM\_LabelCellRenderer : for rendering label.

Component that inputs data in cell.

[Example]

null : for only rendering  
XM\_TextFieldCellEditor : for only input text data.

Item name that is  
be layout on table.

Visible / Invisible  
true : visible  
false : invisible

Item





FIG. 24

# Transaction Manager (Client side)[Definition Document 1]

Transaction Manager [Definition Document]		Program name[Order Entry		Engineer		Date	
Transaction Manager Name		JyutyuuTranMng		Intenace		Update	
Execute when [ENTRY] button(file-menu) is clicked.							
MENU FILE				MENU FILE			
TransactionName		MenuBarInsert		TransactionName		MenuBarUpdate	
TransactionClass		XM_InsertTransaction		TransactionName		XM_UpdateTransaction	
ComponentName		MENUITEM_INSERT		TransactionName		MENUITEM_UPDATE	
ServerMain		OLTP		TransactionName		MENUITEM_UPDATE	
ServerSub		JyutyuuServerSub		TransactionName		OLTP	
ServerTransaction		JyutyuuInsertTran		TransactionName		JyutyuuServerSub	
NextItem		null		TransactionName		JyutyuuUpdateTran	
Comment		entry transaction definition		TransactionName		null	
				comment		update transaction definition	

Server side transaction that starts execution when event is driven.

ServerMain

The next focus item when transaction processing is over.  
(null = staying present focus)

I/O	DataName	Comment
input	DENPYOU_JYUTYUU_HID	Order header ID
	DENPYOU_JYUTYUU_DATE	Order Date
	DENPYOU_JYUTYUU_NO	Order Number
	DENPYOU_SKHON_HID	Customer ID
	DENPYOU_TKHON_ID	Customer ID
	DENPYOU_HATYUONO	Order NO
	DENPYOU_TYUUMONSYA	Order person
	DENPYOU_HIN_HID	Srip detail ID
	DENPYOU_HIN_MID	Product header ID
	DENPYOU_ZEIRITU	Product detail IDID
	DENPYOU_GYUO	Tax-%
	DENPYOU_TANKA	line NO
	DENPYOU_KINGAKU	Quantity
	DENPYOU_NOUKI	Unit price
	DENPYOU_BIKOU	Amount
	DENPYOU_TYOK	Time for delivery
	DENPYOU_TYOKUSOU_TKHON_ID	Comment
	DENPYOU_TYOKUSOU_TELNO	Application
	DENPYOU_TYOKUSOU_POSTNO	Quantitytotal
	DENPYOU_TYOKUSOU_JYUUSYO1	Amounttotal
	DENPYOU_TYOKUSOU_JYUUSYO2	Name of delivery
	DENPYOU_TYOKUSOU_JYUUSYO2	PHONE-NO of delivery
	DENPYOU_TYOKUSOU_JYUUSYO2	delivery Zip code
	DENPYOU_TYOKUSOU_JYUUSYO2	delivery Address1
	DENPYOU_TYOKUSOU_JYUUSYO2	delivery Address2
output	NOTHING	

I/O	DataName	Comment
input	DENPYOU_JYUTYUU_DATE	Order Date
	DENPYOU_SKHON_HID	Customer ID
	DENPYOU_TKHON_ID	Customer ID
	DENPYOU_HATYUONO	Order NO
	DENPYOU_TYUUMONSYA	Order person
	DENPYOU_HIN_HID	Product header ID
	DENPYOU_HIN_MID	Product detail I Customer address/zip-code
	DENPYOU_ZEIRITU	Tax-%
	DENPYOU_TANKA	line NO
	DENPYOU_KINGAKU	Quantity
	DENPYOU_NOUKI	Unit price
	DENPYOU_BIKOU	Amount
	DENPYOU_TYOK	Time for delivery
	DENPYOU_TYOKUSOU_TKHON_ID	Comment
	DENPYOU_TYOKUSOU_TELNO	Application
	DENPYOU_TYOKUSOU_POSTNO	Quantitytotal
	DENPYOU_TYOKUSOU_JYUUSYO1	Amounttotal
	DENPYOU_TYOKUSOU_JYUUSYO2	Name of delivery
	DENPYOU_TYOKUSOU_JYUUSYO2	PHONE-NO of delivery
	DENPYOU_TYOKUSOU_JYUUSYO2	delivery Zip code
	DENPYOU_TYOKUSOU_JYUUSYO2	delivery Address1
	DENPYOU_TYOKUSOU_JYUUSYO2	delivery Address2
output	NOTHING	

input : input record data  
output : output record data

input record : Data that is sent to transaction.  
output record : Data that is received from transaction.



FIG. 25

Business Rule Manager (Client side)/Definition Document 1									
Business Rule Manager definition document		Program NameOrder Entry		Engineer		Date			
Business Rule Manager Name		JyutyuuRuleIn		Maintenance		Update			
RuleName	INITCLEARRULE	RuleName		primary window of dialogue					
ClassName	XM_InitClearRule	execution transaction on		server side					
LabelName	RULE_INITCLEAR	ServerMain		set the start transaction (STARTTRANSACTION=start timing)					
ServerMain	null	Target		execution timing of business rule Set 'before' or 'after' of transaction.					
ServerSub	null	OutputRecord		Set the input record name that is send to business rule.					
ServerTran	null	NextItem		Set the output record name that is received from business rule.					
Adapter	null	Comment		Set item that moves focus after execution of business rule. (null=Not move focus)					
Target	STARTTRANSACTION								
Before/After	BEFORE								
ClientParam	null								
InputRecord	Def_inputRecordOfClear								
OutputRecord	Def_outputRecordOfClear								
NextItem	null								
Comment	start transaction								
RuleName	INITCLEARRULE	LabelName							
ClassName	XM_InitClearRule	InternalFrame							
LabelName	RULE_INITCLEAR	ServerMain							
ServerMain	null	ServerSub							
ServerSub	null	ServerTran							
ServerTran	null	Adapter							
Adapter	null	Target							
Target	TOOLBAR_CLEAR	Before/After							
Before/After	AFTER	ClientParam							
ClientParam	null	InputRecord							
InputRecord	Def_inputRecordOfClear	OutputRecord							
OutputRecord	Def_outputRecordOfClear	NextItem							
NextItem	null	Comment							
Comment	clear tool-bar								

Business Rule Manager definition	Program Name	Order Entry	Record name(output)	Date
Business Rule Manager Name	JyutyuuBRuleMng		Record name(input)	Update

[illegible][illegible]

FIG. 27

# Transaction Manager (Server side) Definition Document 1

Server Transaction definition document		Program name		Order Entry	
Transaction Name		JyutyuuQueryTran		Date Update	

BusinessRuleManagerName		JyutyuuQueryRuleManager	
-------------------------	--	-------------------------	--

DlopName	ClassName	Comment
HQuery	XM ServerQueryDlop1	Define DLOP that uses at data base access processing.
MQuery	XM ServerQueryDlop1	

Business rule class that is related with transaction processing.	
--	--

DataName	DataName	Comment
I/O		
Input	DENPYOU_JYUTYUU_HID	Order header ID
output	DENPYOU_JYUTYUU_HID	Order header ID
	DENPYOU_JYUTYUU_DATE	Order date
	DENPYOU_JYUTYUU_NO	Order Number
	DENPYOU_SKHON_HID	Customer ID
	DENPYOU_TKHON_HID	Customer ID
	DENPYOU_HON_TANTOU_NAME	customer name
	DE Data name of	customer person in charge
	DE input record or	customer address/zip-code
	DE output record,	customer Zip code
	DE	customer Address1
	DENPYOU_HATYUJUNO	customer Address2
	MONSYA	Order NO
		Order person
		Ship detail ID
	DENPYOU_HIN_HID	Product header ID
	DENPYOU_ZEIRITU	Product detail IDID
	DENPYOU_GYOU	Tax-#
	DENPYOU_HIN_NAME	line NO
	DENPYOU_HIN_IRO	Product name
	DENPYOU_MID_ZEIKUBUN	Product color
	DENPYOU_SUURYOU_XM_TableItem	Tax division
	DENPYOU_TANKA	Quantity
	DENPYOU_KINGAKU	Unit price
		Amount

DataName	DataName	Comment
output	DENPYOU_NOUKI	Time for delivery
	DENPYOU_BIKOU	Comment
	DENPYOU_TEKIYOU	Application
	DENPYOU_SUURYOUUG	Quantitytotal
	DENPYOU_KINGAKUG	Amounttotal
	DENPYOU_TYOKUSOU_TKHON ID	delivery ID
	DENPYOU_TYOKUSOU_NAME	Name of delivery
	DENPYOU_TYOKUSOU_TELNO	PHONE-NO of delivery
	DENPYOU_TYOKUSOU_POSTNO	delivery Zip code
	DENPYOU_TYOKUSOU_JYUUSY01	delivery Address1
	DENPYOU_TYOKUSOU_JYUUSY02	delivery Address2

Class name that is loaded for data base access processing. (DLOP) = Data Life Cycle Processing	
---	--

Business rule class that is related with transaction processing.	
--	--

Data base access processing name (Set target of business rule.)	
--	--

Define parameter (input record and output record) that receives from client and send to client.

FIG. 28

Transaction Manager (Server side) \ Definition Document 2]

Transaction Manager \ Program name

Transaction Name JyutyuuQueryTran

Order Entry

Engineer

Date

Maintenance

Update

DiscName

Query

Defined name of DLOP

I/O	DataName	Comment
input	DENPYOU_HID	
output	DENPYOU_JYUTYUU_HID	
	DENPYOU_JYUTYUU_DATE	
	DENPYOU_JYUTYUU_NO	
	DENPYOU_SKHON_HID	
	DENPYOU_TKHON_ID	
	DENPYOU_TKHON_NAME	
	DENPYOU_TKHON_TAN	
	DENPYOU_TKHON_YO	
	DENPYOU_TKHON_YO2	
	DENPYOU_TKHON_YO3	
	DENPYOU_TKHON_YO4	
	DENPYOU_TKHON_YO5	
	DENPYOU_TKHON_YO6	
	DENPYOU_TKHON_YO7	
	DENPYOU_TKHON_YO8	
	DENPYOU_TKHON_YO9	
	DENPYOU_TKHON_YO10	
	DENPYOU_TKHON_YO11	
	DENPYOU_TKHON_YO12	
	DENPYOU_TKHON_YO13	
	DENPYOU_TKHON_YO14	
	DENPYOU_TKHON_YO15	
	DENPYOU_TKHON_YO16	
	DENPYOU_TKHON_YO17	
	DENPYOU_TKHON_YO18	
	DENPYOU_TKHON_YO19	
	DENPYOU_TKHON_YO20	
	DENPYOU_TKHON_YO21	
	DENPYOU_TKHON_YO22	
	DENPYOU_TKHON_YO23	
	DENPYOU_TKHON_YO24	
	DENPYOU_TKHON_YO25	
	DENPYOU_TKHON_YO26	
	DENPYOU_TKHON_YO27	
	DENPYOU_TKHON_YO28	
	DENPYOU_TKHON_YO29	
	DENPYOU_TKHON_YO30	
	DENPYOU_TKHON_YO31	
	DENPYOU_TKHON_YO32	
	DENPYOU_TKHON_YO33	
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	DENPYOU_TKHON_YO82	
	DENPYOU_TKHON_YO83	
	DENPYOU_TKHON_YO84	
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	DENPYOU_TKHON_YO86	
	DENPYOU_TKHON_YO87	
	DENPYOU_TKHON_YO88	
	DENPYOU_TKHON_YO89	
	DENPYOU_TKHON_YO90	
	DENPYOU_TKHON_YO91	
	DENPYOU_TKHON_YO92	
	DENPYOU_TKHON_YO93	
	DENPYOU_TKHON_YO94	
	DENPYOU_TKHON_YO95	
	DENPYOU_TKHON_YO96	
	DENPYOU_TKHON_YO97	
	DENPYOU_TKHON_YO98	
	DENPYOU_TKHON_YO99	
	DENPYOU_TKHON_YO100	
	DENPYOU_TKHON_YO101	
	DENPYOU_TKHON_YO102	
	DENPYOU_TKHON_YO103	
	DENPYOU_TKHON_YO104	
	DENPYOU_TKHON_YO105	
	DENPYOU_TKHON_YO106	
	DENPYOU_TKHON_YO107	
	DENPYOU_TKHON_YO108	
	DENPYOU_TKHON_YO109	
	DENPYOU_TKHON_YO110	
	DENPYOU	

FIG. 29

Business Rule Manager (Server side)[Definition Document]

Business Rule Manager [Definition Document]		Program name[Order Entry]		Engineer		Date	
BusinessRule Name		JyutyuuQueryRuleManager		Maintenance		Update	

BusinessRuleName		AddLineRule		BusinessRuleName	
ClassName		XM_AddLineRule		LabelName	
Param		null		ClassName	
Before/After		AFTER			
Comment		Quantity * Amount total calculation		Set target class of transaction(DLOP).	

I/O	ClassName	Comment	I/O	ClassName	Comment
input	DENPYOU SUURYOU	Srip Quantity			
	DENPYOU KINGAKU	Srip Amount			
output	DENPYOU SUURYOUG	Srip Quantitytotal			
	DENPYOU KINGAKUG	Srip Amounttotal			

Data name of input record or output record		Customer address/zip-code	
input : input record(send to business rule class) output : output record(resolve from business rule class)		XM_TableItem	

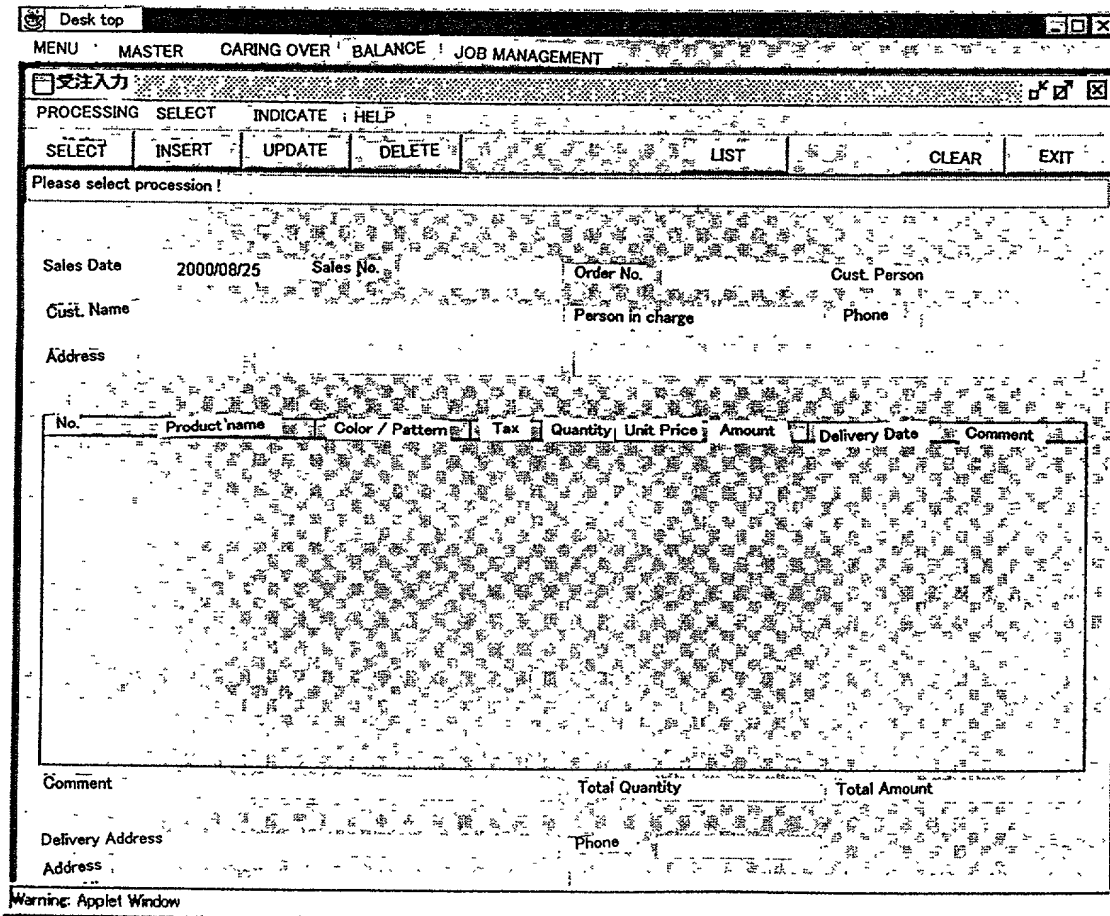
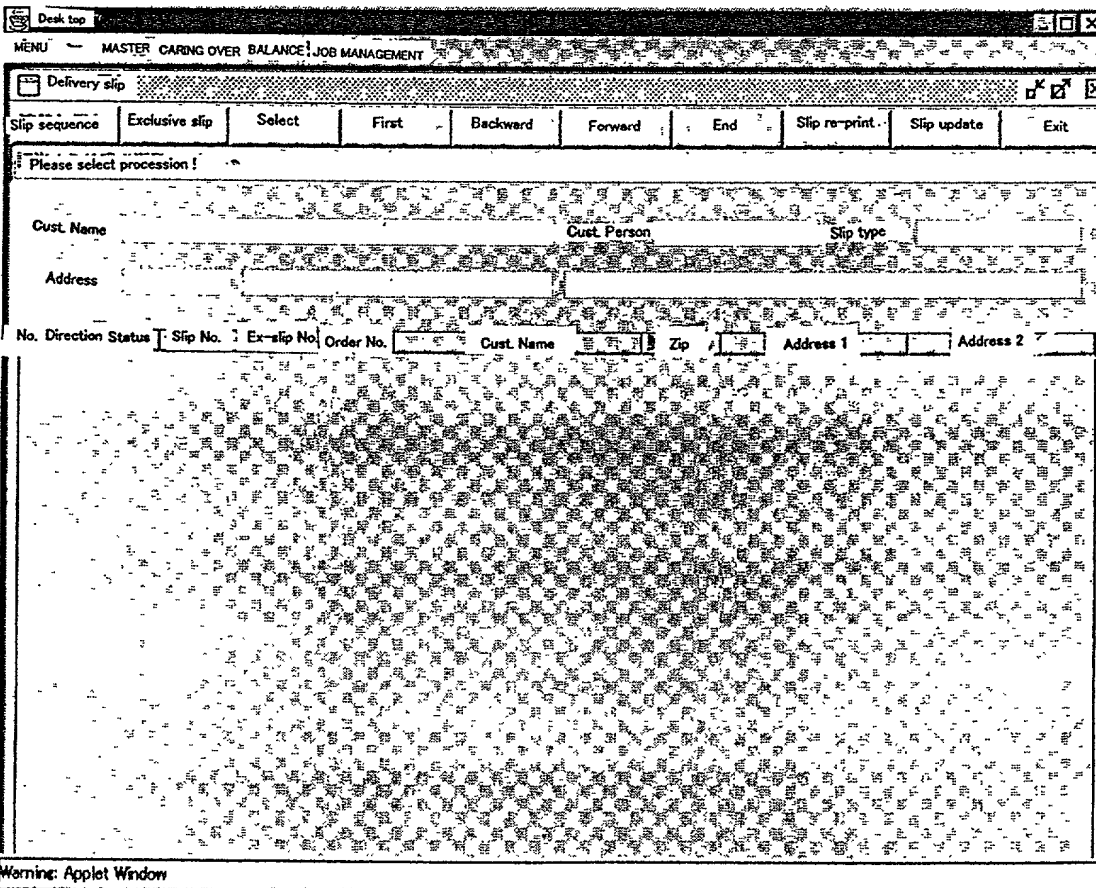
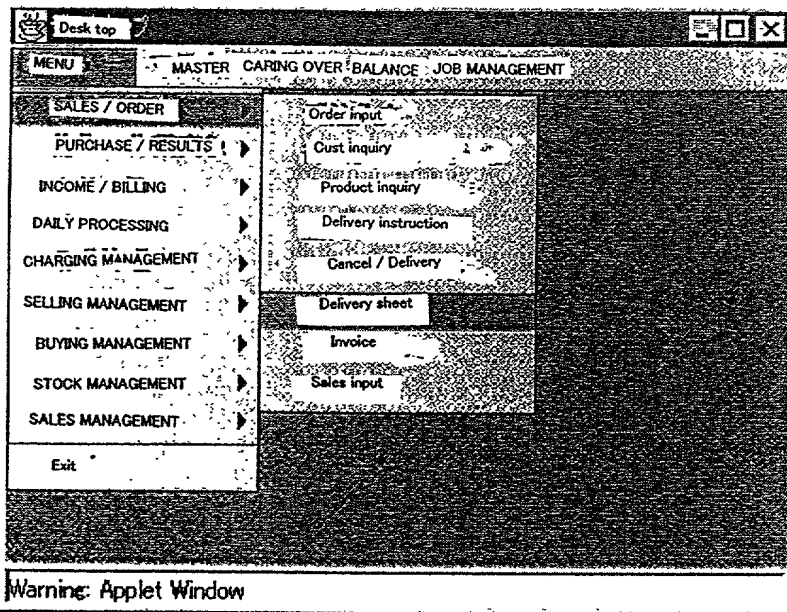
[illegible]

FIG. 31



**SECRET**

